Configuring and Troubleshooting Windows Server 2008 Active Directory Domain Services

Duration: Five Weeks (Distance Learning)

Course Objectives

This Distance Learning course consists of five weeks of instructor-led training, broken out into ten 2-hour online live sessions. It is intended to be used with additional self-paced eLearning content, scenario-based labs and assessments.
This course provides students with the knowledge and skills to configure Active Directory Domain Services (AD DS) in a distributed environment, implement Group Policies, perform backup and restore, and monitor and troubleshoot Active Directory related issues.

At Course Completion

After completing this course, students will be able to implement and configure Active Directory Domain Services in an enterprise environment.

Who Should Attend

This course is intended for Active Directory Technology Specialists, Server Administrators and Enterprise Administrators who want to implement AD DS in a distributed environment, secure domains using Group Policies, perform backup and restore functions, and monitor and troubleshoot an AD DS configuration to ensure trouble-free operation.
Before attending this course, students must have:

- Basic understanding of networking.
- Intermediate understanding of network operating systems.
- An awareness of security best practices.
- Basic knowledge of server hardware. A+ or equivalent knowledge
- Some experience creating objects in Active Directory.
- Foundation course (6424A) or equivalent knowledge.
- Basic concepts of backup and recovery in a Windows Server environment.

Course Content

Configuring DNS for AD DS

This module explains how to configure Domain Name Services (DNS) for Active Directory Domain Services (AD DS).

After completing this module, students will be able to:

- Describe Active Directory Domain Services and DNS Integration.
- Configure Active Directory Integrated Zones.
- Configure Read Only DNS.

Installing Active Directory Domain Services

This module explains how to install and configure Active Directory Domain Services and install and configure a read-only domain controller.

After completing this module, students will be able to:

- Install Active Directory Domain Services.
- Verify a successful installation.
- Deploy Read-Only Domain Controllers.
- Configure AD DS Domain Controller Roles.

Configuring Active Directory Objects and Trusts

This module explains how to configure Active Directory Objects and Trusts.

After completing this module, students will be able to:

- Configure Active Directory Objects.
- Describe strategies for using Groups.
- Automate AD DS object management.
- Delegate Administrative access to AD DS objects.
- Configure AD DS trusts.

Configuring Active Directory Sites and Replication

This module explains how to configure Active Directory Objects and Trusts.

After completing this module, students will be able to:

- Describe AD DS replication.
- Configure Active Directory Domain Services sites.
- Configure and monitor AD DS replication.

Creating and Configuring Group Policy

This module explains how to create and configure group policies.

After completing this module, students will be able to:

- Describe Group Policies.
- Configure the scope of Group Policy objects.
- Evaluate the application of Group Policy objects.
- Manage Group Policy objects.
- Delegate administrative control of Group Policies.

Managing User Environments with Group Policy

This module explains how to configure user environments using Group Policies.

After completing this module, students will be able to:

- Configure Group Policy settings.
- Configure scripts and folder redirection Using Group Policies.
- Configure administrative templates.
- Deploy software using Group Policy.

Implementing Security Using Group Policies

This module explains how to implement security using Group Policies.

After completing this module, students will be able to:

- Configure security settings.
- Implement fine-grained password policies.
- Restrict group membership and access to software.
- Manage security using security templates.

Implementing an Active Directory Domain Services Monitoring and Maintenance Plan

This module explains how to implement Active Directory Domain Services monitoring and maintenance plans.

After completing this module, students will be able to:

- Monitor Active Directory Domain Services using Event Viewer.
- Understand how Subscriptions are used to collect events.
- Monitor Active Directory Domain servers using Reliability and Performance monitor.
- Configure Active Directory Domain Services Auditing.
- Maintain the AD DS Domain Controllers.
- Back up and restore the Active Directory Domain Services.

Troubleshooting Active Directory, DNS, and Replication Issues

This module explains how to troubleshoot Active Directory Domain Services, Domain Name Service, and Active Directory replication.

After completing this module, students will be able to:

- Troubleshoot Active Directory Domain Services.
- Troubleshoot DNS integration with AD DS.
- Troubleshoot AD DS replication.

Troubleshooting Group Policy Issues

This module explains how to troubleshoot the application of group policy objects.

After completing this module, students will be able to:

- Describe Group Policy troubleshooting.
- Troubleshoot Group Policy application.
- Troubleshoot Group Policy Settings.